## **El Reno Fire Department**

Sprinkler Plan Permit **Application** 

EL RENO

File #:	
Total Square Foot:	
Fee \$.03 x FT <sup>2</sup> + 4.50(Minimum fee- 204.50	0):
Date: Date Pa	id:

This formed must be filled out completely. Plan review will be on hold until fee has been paid in full. Please contact the Fire Marshal's Office with any questions at (405)262-2949. Provide three sets of Sprinkler plans with Permit Application.

PROPERTY INFO	RMATION
Building Name:	WATION
Building Address:	
Owner's Name:	
	wner's Phone Contact:
	vner's Fax:
SYSTEM DESIGNER/O	CONTRACTOR
Company Name:	
Company Address:	
Contact Person (Designer):	
Phone #: Fax #:	Email:
Yes No System designed by a licensed	person through the Department of Labor §1800.1?
	tification or stamp is provided with submittal?
Yes Annual business license obtai	•
GENERA	L
NFPA Standard used in the system design and proposed installat  NFPA 13 (2016Edition)  NFPA 13D	cion: 2016edition)
	fications to an existing system or?
	ELUGE PRE-ENGINEERED OR 13D
All sprinkler head "specification sheets and UL Listings" provided	d in application?   Yes   No
Sprinklers omitted in any area? Yes No	
	entify omitted areas in narrative space below) dentify omitted areas in narrative space below) ode requirement:
Number of Floors (including Basement)?	
Yes No Fire Pump Required or Provided?	)
<u>.</u>	1   Page

Yes No	Standpipe/ Hose	Connection Required	d?	
Yes No	• • • • • • • • • • • • • • • • • • • •			ont side of the building and within 50' of
Yes No	•	connections must be	a 4" Sto	orz with a 30 degree elbow?
				supply, pumpscritical air pressures,
☐ Yes ☐ No	and water-flow s	switches are electroni	ically sup	pervised?
Yes No	_			tions downstream of the backflow er NFPA 25:12.6.2.1 and NFPA 13:
	occu	IPANCY CLASSIFICATI	ION	
Fire sprinkler occupancy hazard c Light Hazard	lassification:  Ordinary Hazard	d Group 1		Ordinary Hazard Group 2
Storage	Extra Hazard Gr	oup 1		Extra Hazard Group 2
Special Occupancy (Flammabl	e/combustible liqu	uids, oxidizers. Etc.)		
	FLO	W TEST INFORMATIO	N	
Date of Flow Test:				
Static Pressure:				
Residual Pressure:				
Flow in Gallons:				
Coefficient Factor Used:	Company	who performed:		
	STORAGE	INFORMATION (if ap	plicable)	
If storage information "Not Applied	cable", skip this se	ection and go to <b>DESI</b>	GN SPEC	IFICATIONS Section Below
Rack or Pallet Storage Rack	Pallet	Aisle Width Dimens	sion?	
In-Rack Sprinkler? Yes	No	ESFR Sprinklers?	Yes	No
High Piled Combustible Storage o	ver 12' high?	High Hazard Comm	odity Sto	orage over 6' high?
Where are Auxiliary Drains and Lo		Presence of hazard		
located?	yw i omic arams	Tresence of mazara	Yes [	No
Maximum Height of Storage Plan	ned?	Maximum Aisle Wid		
Where are Auxiliary Drains and Low Point drains located?	Fire alarm wiring	installed in a plenum	n space is	s plenum rated per 2015 IMC 602.2.1.1?
	DES	SIGN SPECIFICATION	S	
Type of System Hydraulically (	Calculated Pi	pe Schedule(for areas 5	5,000 squa	re feet or less and only in existing systems)
Water Supply for system determi	ned by: Area/	Density Curves 🔲 R	Room De	sign Method
Requireme	ents for Hydraulica	ally Calculated Syster	ms( <mark>Area</mark> ,	/Density Method)
What is the Design Are of water A	Application specific	ed?		
What is the minimum rate of Wat	ter Application "De	ensity" specified?		
Please specify what type (if any) s	sprinkler "density a	adjustments" have be	een calcu	ulated?
Check all that Apply:				
Quick Response Sprinklers High Temperature Sprinklers	Sloped Ceilings Multiple Adjust	greater than 2 in 12 tments	_	Pipe & Double-lock Pre-Action Systems tual Ceiling Height" (")

What is the maximum "area" pe	r individual sprinkler specified (per NFPA 13 or specific listing)?
How many sprinklers are required	d in the "Design Area"?
and the second s	required) = (Design Area of Sprinkler Application) / (Coverage per Sprinkler Head)
Provide mathematical equation h	nere:
What is the actual formula numb	ers used to verify Remote Area "Size and Shape"?
Formula: 1.2√Design Area = Min	<del></del>
Provide mathematical equation h	
'	
What is the Maximum Number of Formula: 1.2 Design Area	f Sprinkler Heads per Branch Line
"S" (Ft. Measured Alor	= # of Heads on Branch Line
Provide mathematical equation h	
What is "In Rack" Demand, Stora	
What is the Hose Stream demand	
What is the total required water	supply including hose demand?GPM
المانسين من	• • • • • • • • • • • • • • • • • • • •
• •	er &standpipe" systems in the building, and if so what are the minimum "pressure"
requirements as outlined in NFPA	er <u>&amp;standpipe</u> " systems in the building, and if so what are the minimum "pressure" A 14?(if applicable)
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Pesign Density of Sprinkler meets Based upon the room that create  Yes No N/A  SPRINKLER COMP  Yes No N/A  Yes No N/A  Yes No N/A  Yes  Yes  Yes  Yes	**Ref & standpipe" systems in the building, and if so what are the minimum "pressure" A 14?(if applicable)  **No and pressure) on extended coverage or other listed special sprinklers? (if applicable)  **Additional Requirements (Room Design Method)  **S 11-3.1.3 (NFPA 13 2016 Edition) (minimum of .10 gpm/s.f.)? Yes No es the greatest water demand (including corridors/hallways)? Yes No Additional Requirements (NFPA13R Systems)  **Building is not more than 4 stories in height?*  Listed Residential Sprinklers shall be used in all residential portions(dwellings) of building? Exception: Residential Sprinklers shall be permitted in adjoining corridors or lobbies, provided with flat smooth ceilings and ceiling heights do not exceed 10 feet.  **ONENTS: Is the following information provided on plans/specifications?**  Provide complete catalog cut sheets for all equipment and materials used? Hydraulic data nameplate (for hydraulically designed systems)? Hydraulic reference points shown on the plan that corresponds with comparable reference points on the hydraulic calculation sheets?  Pipe sizes and lengths shown on the plan correspond with the sizes and lengths shown
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		Provide a 2 ½ standpipe hose outlet at the highest landing of the stairways with ac
Yes	∐ No	to roof, and on the roof where stairways do not access the roof with an additional
		hose connection?
Yes	_=	Provide floor control valves at each floor in multi- story buildings?
Yes	∐ No ∐ N/A	Most demanding area is highlighted on plans and provided in hydraulic calculation FIRE PUMP INFORMATION (if applicable)
/lanufacti	irer.	Type: Diesel Electric
ated PSI:		Rated GPM:
ated HP:		Controller Type:
Yes	□ No □ N/A	Dedicated Electrical Service Provided
		Provide a standby or emergency power supply to the fire pump with an automatic
Yes	∐ No	power transfer switch controller?
Yes	☐ No ☐ N/A	Provide details and catalog cut sheets on the fire pump controller?
Yes	□ No □ N/A	Fire pump room fire resistive- rated to 2 hour or 1 hour per IBC?
	I certify that the	e information provided in this document is true and accurate.
	[ I certify that the (Printed Name)	e information provided in this document is true and accurate.
		e information provided in this document is true and accurate.
		e information provided in this document is true and accurate.  Date
	(Printed Name)	
	(Printed Name)	
	(Printed Name) (Signature)	Date
	(Printed Name)	
	(Printed Name) (Signature)	Date  License Stamp
	(Printed Name) (Signature) (Company Name)	Date  License Stamp